

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Hurricane Sandy - Polrep/Sitrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**Region II**

**Subject:** SITREP #22  
Operations Continue  
Hurricane Sandy  
  
Edison, NJ  
Latitude: 40.4494047 Longitude: -74.4379073

**To:** Michael Hoppe, USEPA Region 02, ER RD-RPB

**Thru:** REOC Deputy Regional Incident Coordinators,  
Christopher Jimenez (NJ)  
Laura Casillas (NJ)  
Anne Kelly (NY)  
Neil Norrell (NY)

**From:** REOC Situation Unit Leader,  
Josie Clark (Day Operations)  
Gary Newhart (Night Operations)

**Date:** 11/18/2012

**Reporting Period:** 0700 hours 11/18/2012 thru 1900 hours 11/18/2012

**Executive Summary**

**EXECUTIVE SUMMARY**

In New Jersey, five Assessment Teams worked in Ocean, Cape May, Monmouth, and Middlesex Counties. The goal of the teams was to identify orphan containers to report to NJDEP, and potentially collect at a later date. Some teams found very few containers, and were able to verify that large parts of these counties do not need to be revisited by EPA.

Three hazmat mitigation teams recovered 700 gallons of oil and oily water, and continued to work on finalizing an agreement between EPA and NJDOT to establish a collection pad in a NJDOT yard.

Cleanout activities continued at PVSC and MCUA. PVSC was still unable to operate the dewatering centrifuge and will attempt it again tomorrow. MCUA is concerned that a significant rain event would result in damage to the partially repaired facility. That would undo their progress to date. EPA, FEMA, NJDEP and MCUA are discussing mitigating action that could prevent this from happening until the plant is fully back on line.

In New York, assessment teams surveyed locations in Queens and Far Rockaway to determine if dewater or pumping assistance was needed.

Recovery teams continued to collect and stage HHW at locations in Staten Island, Queens, Kings, Nassau and Suffolk Counties.

EPA Debris Team Lead Jim Daloia met with USACE debris contractor ECC, NY Department of Sanitation, and the Director of the Fresh Kills Landfill today. NY Department of Sanitation agreed to increase their support of hazardous waste segregation from the comingled debris by providing space, logistical support, and equipment at both Fresh Kills Landfill and Jacob Riis Park. EPA will continue to manage the HHW pad at the segregation sites and provide ERRS teams to conduct the segregation. It was observed that the NY Department of Sanitation has begun collecting HHW separate from general debris.

EPA Debris Team Lead Jim Daloia met with NYC OEM, NYDEC, USACE, and NYCDEP to discuss the potential air curtain incineration of vegetative debris in NYC. EPA has been advocating for other management methods such as re-use and composting. EPA is also preparing to monitor emissions from the burn if NYC requests that FEMA proceed with burning it. For more details on how this interagency group is likely proceed, please see "NYC Debris Management Planning" in the body of the Situation Report.

EPA was at Floyd Bennett Park today to begin setting up air monitors which can be used to determine the quantity of particulates that leaves the area if the burn is conducted. They set up three today. Another five will be set up tomorrow.

The total number of containers of hazardous materials collected in NY and NJ to date is 32,408.

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	<b>Contract Number:</b>
<b>D.O. Number:</b>	<b>Action Memo Date:</b>
<b>Response Authority:</b> Stafford Act	<b>Response Type:</b> Emergency
<b>Response Lead:</b> FEMA	<b>Incident Category:</b> Removal Action
<b>NPL Status:</b> Non NPL	<b>Operable Unit:</b>
<b>Mobilization Date:</b> 10/29/2012	<b>Start Date:</b> 10/29/2012
<b>Demob Date:</b>	<b>Completion Date:</b>
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>

**1.1.1 Incident Category**

## Hurricane Disaster Response

### 1.1.2 Site Description

#### 1.1.2.1 Location

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic.

Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk.

#### 1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments continue at EPA Sites as waters recede, power is restored, and managers are able to access their sites and regulated facilities.

## 1.2 Incident Objectives

### Incident Objectives

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

## 1.3 Critical Resource Needs

### Critical Resource Needs

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. The majority of needs from drinking water and wastewater facilities are the supply of fuel to maintain and operating status. Although a function of Emergency Support Function #3, EPA was been requested to assist in support these needs. Liaison Officers in the State EOCs and the FEMA RRCC continue to coordinate with other ESF partners on addressing these needs.

## 1.4 Strategic Considerations

### Strategic Considerations

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

## 2. Current Activities

### 2.1 Operations Section

## DIVISION NEW JERSEY

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on 3 November, 2012. On 5 November, 2012 FEMA declared all remaining New Jersey counties eligible for Public Assistance.

### NEW JERSEY RESPONSE ACTIONS

Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex and Essex Counties; Hazmat Assessments in Ocean, Union, Middlesex, Cape May, and Atlantic Counties; Mitigation Support in Middlesex and Monmouth Counties; and Response/Recovery Support in Ocean County.

#### Hazmat Assessment Team (NJ)

##### Ocean County

Two Assessment teams were deployed to Ocean County for area recon. One team investigated the areas of Bay Head, Seaside Heights, and Beachwood. They identified a 275-gal container at a residence on Compass Ave in Beachwood that had released product into the street. The release was being addressed by a local Fire Department and Hazmat Team. The team noted that approximately 10 gallons of product remains in the container. This may need to be addressed at a later date. Second team reconned potential high-impact waterfront residential areas and marina(s) located on the mainland in southern Ocean County. They started where they left off 17 November 2012, just north of Route 72 in Manahawkin area and reconned waterfront areas in Barnegat, Ocean, Lacey and Berkley Townships.

The team identified several poly drums (some containing waste oil) at Barlet's Marina in Barnegat for potential removal. The location was reported and a mitigation team later removed the drums and closed this report.

The majority of the residential neighborhoods appeared to be on natural gas service. No home heating oil or propane tanks were identified for pickup. In many areas it appeared that the Townships have already addressed most of the residential debris. Portions of Berkley Twp had the most significant damage.

OSC Chase will follow-up with the townships identified above on Monday to see whether they need EPA assistance and confirm whether they are picking up haz-mat, if identified.

##### Union County

The team conducted Assessment of the Union County Storm Surge Map Grid. The majority of the area that the storm surge impacted immediate to the coast was industries, oil storage facilities, an oil refinery, and the Newark Airport. There were some residential areas that were assessed as well. No abandoned/orphan tanks, drums, or containers were identified. Access to land/marsh areas closer to the waterway was not assessed due to limited access.

The team attempted to coordinate with Union County OEM as well as the Union County HazMat Team. A message was left informing them of the operations USEPA is conducting in Union County. Attempts to contact county personnel will continue tomorrow to better identify locations where abandoned containers or other potentially hazardous materials are located.

The team communicated with personnel in the Elizabeth Marina at 71 Front Street, Elizabeth. They were not aware of any orphan containers in the area or in their Marina.

The team met with Fireman MacNab at the Elizabeth Emergency Response Facility who stated that minimal orphan containers have been identified per his knowledge. This team closed out a large portion of Union County, meaning EPA will not need to revisit it.

##### Middlesex County

Hazmat Team assessed all areas included in the surge zone that are south of the Raritan River. Two drums were identified within this zone that contained materials. Large portions of the areas affected by the flooding did not appear to have any hazardous debris; however access was limited due to large marshy areas and private property. All accessible roads were driven or walked to assess. Numerous facilities within the area were fenced and posted as no trespassing (primarily industrial).

#### Additional Comments

Access to facilities may be needed during normal business hours to complete assessments within the remaining areas.

##### Cape May County

The Hazmat Assessment Team performed recon operations in Cape May, Wildwood Crest, Wildwood, and North Wildwood. No hazardous materials were found and large portions of this county were closed. This means EPA will not need to revisit there areas.

##### Atlantic County

Hazmat Assessment team performed recon of Chelsea Heights, Ventnor City, Margate, and Longport. No obvious hazardous material or oil was found. The team will continue recon of this area during the next operations period and contact the county to see if they require EPA assistance and confirm if the county/municipalities are picking up hazardous materials (if identified). They will also visit observed public works facilities to inquire how hazardous materials/oil is being dealt with.

#### Hazmat Mitigation Team (NJ)

##### Middlesex County

The Hazmat Mitigation Team traveled to Perth Amboy where they investigated some FedEx trucks that had washed off the road but no hazardous waste was found. They also visited other areas in Perth Amboy and did not locate any hazardous waste. The team also went to Sewaren where they located and retrieved two partially filled 55-gal drums and pumped approximately 100 gallons of oil/water mix waste from a stainless steel tote.

##### Monmouth County

A Hazmat Mitigation Team utilized a majority of today's operations by meeting with NJDOT officials in Freehold to coordinate construction and access for a proposed Monmouth County Hazmat staging area. They also performed recon assessments in portions of Monmouth County to pinpoint previously identified drum locations.

#### Hazmat Response/Recovery Team (NJ)

The Hazmat Response/Recovery Team was deployed to Ocean County and recovered 600 gallons of oil from two tanks, and eight drums of oily water.

EPA also visited Mariners Marina in Barnegat, NJ (EPA-T2-A-121104-003) and spoke with the owner who stated someone from EPA was there earlier and had told him that EPA could not help him with the six 55-gallon drums of oily water and his waste oil tank because it was not an issue for EPA. EPA spoke with OSC Kahn who had been there earlier. OSC Kahn had stated the owner requested him not to remove any of the items because he would use the waste oil as fuel for his furnace. Item closed and no further action required.

This team will continue oversight activities at the Phillips 66 Bayway Refinery as needed in future operating cycles.

#### NJ Incident Summary Table

Below is a summary table for NJ Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/18/2012. The table includes the materials involved.

New Jersey Incidents			
Number of Notifications to EPA via NRC			
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	0	173	182
Other	0	7	7
Haz	0	3	3
Operational Period Total	0	183	192

#### Wastewater Facilities (NJ)

##### Passaic Valley Sewerage Commission (PVSC)

PVSC continues to make significant progress towards restoration of the facility to pre-storm removal efficiencies. Two primary sludge pumps, nine final clarifiers and sludge removal mechanisms, and one Zimpro sludge dewatering unit are now operational.

ERRS continued night-time power-washing operations in coordination with PVSC to augment PVSCs cleanout of the impacted tunnels and basements. These operations will resume as day-time operations beginning on 11/19.

After numerous delays, start-up of the Synagro mobile dewatering centrifuges has been rescheduled for 11/19. The mobile dewatering centrifuges are expected to operate for a period of two weeks during which time PVSC will complete the repair and re-energization of their in-house centrifuges and Zimpro dewatering systems.

ERT/SERAS continue to provide support for the perimeter and off-site air monitoring stations installed in preparation for the possibility of fugitive hydrogen sulfide emissions during centrifugal dewatering operations. This air monitoring program is being implemented to ensure that the surrounding communities are not being adversely impacted. All air monitoring results will be forwarded to NJDEP for public dissemination.

On 11/18, USEPA ERT, Henry Gerard along with OSC Don Graham returned to the Passaic Valley Sewerage Commission (PVSC) for the continued management of the monitoring activity of the sludge de-watering. The team was on hold pending the notification of the commencement of the de-watering. The latest status update as of 1600 was that the sludge de-watering will proceed on 11/19. As of 1600 all monitors are operational and no alarms were reported.

##### Middlesex County Utility Authority

Cleaning status as of 11-18-12: The EPA ERRS crew completed the cleaning in the entire Original Sayreville Pump Station (OSPS) building last night with the exception of the screen rooms. The screen room cleaning was completed this morning and the OSPS is ready for installation of repaired equipment. Limited equipment installation has been underway in this area; additional installation will be completed as the repaired equipment becomes available. Installation of the first 40 MGD pump in the OSPS is anticipated to be completed by early next week barring any unforeseen impediments.

Pumping Status: MCUA is taking all available actions to minimize pumping to the Washington Canal (a tributary of the Raritan River System). MCUA was able to shut the gate to their overflow system and eliminate discharge to the Washington Canal for 8 hours yesterday until the storage capacity of the system was again overwhelmed. Discharge thereafter fluctuated between approximately 15,000 gallons per day up to 5-10 MGD. MCUA is taking the following steps to maintain an intermittent discharge status or avoid discharge altogether:

- Change-out of a 5 MGD temporary bypass pump for a 10 MGD pump to increase overall by-pass pump capacity to the treatment plant.
- Closing of the pump station's overflow gate to the canal and utilizing a pump to regulate sewage levels in the system and/or control discharge to the river as needed. This move will help avoid an overflow condition and provides more direct control of the frequency and rate of discharge. All efforts are being made to avoid discharge.
- Continually taking level measurements at the low point of the system on Weber Avenue to prevent an overflow to the street.

Pump Station Repair and Protection Status: EPA and MCUA attended an on-site meeting with FEMA, NJDEP and Middlesex County OEM to discuss the short term, intermediate and long term repair objectives and the application process for continued FEMA assistance. A FEMA Public Assistance Coordinator conducted the meeting and will be the main contact for assisting MCUA with the process.

MCUA is concerned that a significant rain event would result in damage to the partially repaired facility, that would undo their progress to date. EPA, FEMA, NJDEP and MCUA are discussing mitigating action that could prevent this from happening until the plant is fully back on line.

New Jersey Hazardous Waste Summary *						Operational Period:		
11/18/2012						Small		
	Propane	Containers	Other			Containers	Op-Period	Location

Location	Drums	Tanks	Cylinders	(6-54 Gal)	(Large)	(<5 gal)	Totals	Cumulative Totals
Vineland Container Storage Facility	0	0	0	0	0	0	0	24
Lakewood HHW	0	0	0	0	0	0	0	24
Daily Total	0							
Cumulative Total	48							

\* All counts based on initial intake locations

## DIVISION NEW YORK

Thirteen counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, and Westchester.

- EPA continued to support USCG efforts at the Staten Island EOC.
- Assessment teams surveyed locations in Queens and Far Rockaway to determine if dewatering or pumping assistance was needed.
- Recovery teams continued to collect and stage HHW at locations in Staten Island, Queens, Kings, Nassau County, and Suffolk County. HHW collection continued at the Port of Coeymans.

## NEW YORK RESPONSE ACTIONS

### New York City

#### Assessment Teams (NY)

In USCG Sector New York, eight EPA contractors and one OSC were onsite to assist USCG. EPA continues to coordinate with USCG, NJDEP, NYSDEC, and NYCDEP.

EPA assessment teams conducted visits to homes that may need oil or water pumped from basements. A total of 5 locations were assessed, with 2 in Queens and 3 in Far Rockaway. The majority of the homes had already had oil removed by either NYSDEC or private contractors.

#### NYC Debris Management Planning

EPA Debris Team Lead Jim Daloia met with USACE debris contractor ECC, NY Department of Sanitation, and the Director of the Fresh Kills Landfill today. NY Department of Sanitation agreed to increase their support of hazardous waste segregation from the comingled debris by providing space, logistical support, and equipment at both Fresh Kills Landfill and Jacob Riis Park. EPA will continue to manage the HHW pad at the segregation sites and provide ERRS teams to conduct the segregation. It was observed that NY Department of Sanitation has begun collecting HHW, separate from general debris.

EPA Debris Team Lead Jim Daloia met with NYC OEM, NYDEC, USACE, and NYCDEP to discuss the potential air curtain incineration of vegetative debris in NYC. EPA has been advocating for other disposal methods such as re-use and composting. EPA is also preparing to monitor emissions from the burn if NYC requests that FEMA proceed with burning it. The group discussed ways to measure the environmental impact of burning versus reuse options, but found there to be an overwhelming number of factors and impacts that would need to be considered. Therefore, NYC is looking more towards economic factors to decide how the vegetative debris should be handled.

At this point, we expect both options to be fully vetted in the next three days. USACE will put out a formal Request For Proposals for re-use options that will provide the group with hard numbers and specific alternatives. At the same time, USACE may proceed with a test burn in the air curtain incinerator as soon as Tuesday to determine the actual impacts of that process. EPA was at Floyd Bennett Park today to begin setting up air monitors which can be used to determine the quantity of particulates that leaves the area when the burn is conducted. They set up three. Another five will be set up tomorrow.

The final disposal location for all debris handled by USACE is the Seneca Meadows Landfill in Waterloo, NY and the Grows North Landfill in Morrisville, PA. Following EPA assessments of the Seneca Meadows Landfill, it was determined that the facility is adequate to handle the material from NYC. The facility is technologically capable to recycle and properly dispose of material. No EPA assistance will be necessary at this facility.

#### *Jacob Riis Park (Queens)*

HHW continued to be collected, segregated, and staged for transportation and disposal at the Jacob Riis HHW collection site. USACE transportation and disposal operations have increased and have resulted in a quickly diminishing debris pile. As a result, EPA relocated the staging pad to the opposite end of the debris pile however left some equipment in the original location.

#### *Father Capodanno (Staten Island)*

HHW collection and segregation operations continued at the Father Capodanno dump site. ERRS separated 252 containers during this time period for HHW disposal.

#### *Fresh Kills Landfill (Staten Island)*

(Please note: we had been reporting that EPA's HHW pad was at Fresh Kills #2, this was inaccurate. EPA's HHW pad is in fact at Fresh Kills #1.)

EPA recovery teams collected HHW at various locations in Brooklyn and Manhattan Beach. Items were transported to Fresh Kills Landfill #1.

Staging and segregation of HHW continue in the NYC Department of Sanitation indoor garage building at Fresh Kills Plant #1, utilizing containment cells consisting of poly sheeting and absorbent boom. Compressed gas cylinders were collected in an outdoor staging area. Plant #1 continued to receive orphaned containers collected by ERRS and NYCDEP personnel from all five NYC boroughs and to stage them for characterization and disposal.

New York Hazardous Waste Summary *						Operational Period:		
11/18/2012								
		Propane		Containers	Other	Small		
Location	Drums	Tanks	Cylinders	(6-54 Gal)	(Large)	Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Cedar Grove Staging Area	0	0	1	0	0	0	1	284
Fr. Capadano Park, Staten Island	0	7	0	0	0	249	256	1773
Fresh Kills Landfill Plant #1	0	0	0	0	0	0	0	361
Fresh Kills Landfill Plant #2	0	15	10	28	0	242	295	1751
Islip Multipurpose Recycling Facility	0	1	0	0	0	46	47	296
Jacob Riis Park, Queens, NY	2	0	3	0	0	235	240	2887
Nickerson Park	28	111	54	1	1	3181	3376	19413
Patchogue WWTP	0	1	1	0	0	107	109	500
Patchogue WWTP (Mastic Beach)	0	0	0	0	0	0	0	304
Riverhead Collection Area	0	0	0	0	0	0	0	63
Port of Coeymans	0	0	11	0	0	19	30	55
Venetian Shores Park	0	0	0	1	2	679	682	4673
Daily Total	5036							
Cumulative Total	32360							

Cumulative Hazardous Waste Summary *							Operational	
Period: 11/18/2012								
		Propane		Containers	Other	Small		
Location	Drums	Tanks	Cylinders	(6-54 Gal)	(Large)	Containers (<5 gal)	Op-Period Totals	State Cumulative
New York	30	135	80	30	3	4758	5036	32360
New Jersey	0	0	0	0	0	0	0	48
Op-Period Totals	30	135	80	30	3	4758	5036	
Cumulative Totals	162	616	458	269	76	31818		
Daily Total	5036							
Grand Cumulative	32408							

#### NIGHT OPERATIONS

The Situation Report was sent at 22:00.

#### REGULATED FACILITIES

A spreadsheet has been developed to track the status of facilities possibly impacted by Hurricane Sandy. This information includes facility contact person information, latitude and longitude, and description of release circumstances and cleanup efforts, and whether any EPA assistance is requested. The marker for EPA assistance is whether a regulated substance has been released into navigable waters and/or the environment.

The following table summarizes phone calls and emails in targeted impacted areas of New Jersey and New York.

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	67	63	4
RMP	30	28	0
SPCC, Marinas, & Other Oil	265	255	0
Total	362	346	4

The four FRP facilities that reported releases are the Kinder Morgan Carteret Terminal, Phillips 66 Bayway, EH Werner, and the Motiva Sewaren facility. These sites are actively addressed with NJDEP and USCG. An OSC has visited Phillips 66 Bayway and Motiva Sewaren to monitor cleanup efforts and provide assistance.

In addition to an email distribution by the New York Marine Trades Association and Marine Trades Association of New Jersey to over 425 members, the Region is actively involved in contacting and reaching potentially impacted marinas via telephone and emails. Marinas are being reminded to contact the NRC to report spills, sheens, and lost oil tanks and containers. The Region is evaluating all marinas damage assessment responses in order to determine appropriate follow-up.

Damage assessment results have been received, via email, by most registered RMP and FRP facilities in New Jersey and New York. The Region is evaluating all damage assessment responses in order to determine appropriate follow-up.

Compliance assistance concerns are being actively addressed for RMP, FRP, SPCC, Marinas, and Other Oil facilities.

#### RCRA Corrective Action Sites

State/County	Facilities	Facility Status Confirmed by EPA or State	Issues Reported by Facility, State or EPA*
New Jersey (1A) – Middlesex, Monmouth, Union, Passaic, Somerset, Hudson, Bergen, and Essex Counties	55	49	9
New Jersey (1B) – storm surge areas in Salem, Burlington, Gloucester, and Camden Counties	17	15	0
New Jersey (2) – facilities in other counties/non-	34	32	0

storm surge areas			
New York - All NYC, Nassau, Suffolk, Westchester, and Rockland Counties	37	30	3

CASD did not deploy any teams today. A team (2 corrective action project managers per team) will be deployed on November 19 to assess the remaining six facilities.

CASD is on standby to deploy three teams (2 corrective action project managers per team) to assess up to 29 targeted facilities in Passaic, Bergen, Essex, Hudson, Union, Middlesex and Monmouth counties. CASD is awaiting feedback from the DRA regarding NJDEP's concurrence with EPA performing the assessments.

#### DECA Information for 11/17/12 Situation Report

Please note that DECA will not be submitting information for the 11/17 or 11/18 Sit Reps. They will only have UST contractors in the field over the weekend, and will provide an update to those activities in the 11/19/2012 SitRep. All other DECA activities will continue on Monday, 11/19/2012.

## 2.2 Planning Section

### PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

#### The Environmental Unit

- (1) Data from samples collected at Westchester Yonkers Joint WWTP on 11/16/12 posted on 11/18/12 to [epa.gov/sandy](http://epa.gov/sandy).
- (2) All 10 air monitoring units at PVSC were operational as of 1500 hrs 11/18/12. No exceedances reported from the preceding 24 hour period of real time air monitoring for hydrogen sulfide. The sludge dewatering operations are proposed to begin at 1200 hrs today 11/18/12 - but this is not confirmed. A summary report of any exceedances will be provided to the Environmental Unit at 1500 hrs tomorrow 11/19/12.
- (3) Planning is well underway to provide curtain burning air monitoring support activities at Floyd Bennett Field. QAPP review by DESA staff completed. ERT will obtain approval signatures Monday morning 11/19/12.
- (4) In response to a request from the Ironbound Community Corporation, sampling will occur at a Passaic River location in Kearny, NJ tomorrow morning 11/19/12. Analyses to include: VOCs, SVOCs, metals, TPH GRO/DRO, total coli., e coli and dioxins. Lancaster Lab will perform GRO/DRO and dioxins. DESA lab will perform VOC/SVOC/metals and bacteria.

## 2.3 Logistics Section

### Logistics

Logistics Chief continued researching rooms for incoming EPA personal.

## 2.4 Finance Section

### FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/18/2012 @ 1330 hours;

Region, State	Agreement #, Current Expiration Date	Initial Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01, Expires 12/10/12	10/31/2012	\$300,000.00	\$321,517.69	\$16,921.98	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02, Expires	11/2/2012	\$2,000,000.00	\$298,957.76	\$17,585.75	Drinking & Wastewater Assistance



	12/10/12					
Region 2, New Jersey	4086DR-NJ-EPA-03, Expires 12/10/12	11/4/2012	\$1,675,000.00	\$104,619.91	\$6,538.74	Technical Assistance for Environmental Assessments
Region 2 New Jersey	4086DR-NJ-EPA-04, Expires 03/02/13	11/3/2012	\$3,500,000.00	\$431,331.52	\$26,958.22	Direct Federal Assistance for oil/hazmat field ops
Region 2 New Jersey	4086DR-NJ-EPA-05, Expires 12/08/12	11/08/2012	\$1,000,000.00	\$275,310.52	\$12,514.11	REOC
Region 2 New York	4085DR-NY-EPA-02, Expires 11/30/12	11/04/2012	\$400,000.00	\$783,294.44	\$41,226.02	ESF-10 EOC deployment and assessment assistance in NY
Region 2 New York	4085DR-NY-EPA-01, Expires 12/01/12	11/2/2012	\$300,000.00	\$25,620.46	\$1,507.09	Drinking & Wastewater Assistance
Region 2 New York	4085DR-NY-EPA-04, Expires 12/04/12	11/7/2012	\$500,000.00	\$318,389.93	\$22,742.14	Technical Assistance for Environmental Assessments
Region 2 New York	4085DR-NY-EPA-03, Expires 12/01/12	11/7/2012	\$7,600,000.00	\$1,357,661.90	\$84,853.87	Direct Federal Assistance for oil/hazmat field ops
Region 2 New York	4085DR-NY-EPA-05, Expires 12/05/12	11/09/12	\$75,000.00	\$3,079.76	\$139.99	Dewatering Ops
TOTALS			\$8,880,000.00	\$3,929,707.97	\$178,623.09	

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

Safety coordinated with Operations on Assistant Safety Officer (ASO) visits to HHW collection sites and corrective action plans. An ASO accompanied an OSC during the basement pump out operations in Queens, NY. ASO visits were conducted to Father Capodanno and Riis Park HHW Collection pads. SO and Deputy SO visited the JFO. Coordination continued between EPA and OSHA.

### 2.5.2 Liaison Officer

Carl Pellegrino is representing EPA at the JFO.

EPA continued to participate in Unified Command with USCG on Staten Island. EPA contractors continued to support shoreline assessments with USCG personnel for HHW, orphan containers and oily material.

### 2.5.3 Information Officer

The PIO is David Kluesner and can be reached at 347-330-9439. Intergovernmental and community outreach today included notifications to the affected congressional delegation about results of water samples collected from the Hudson River in the area of the Yonkers Waste Water Treatment Plant in Westchester County, NY.

PIO coordinated CIC coverage of field operations in Staten Island, Nassau and Suffolk Counties for November 20 and 21.

Eight fact sheets have been transmitted to Region 1 for translation into Spanish and Chinese. The following fact sheets have been prepared and submitted to HQ EOC for approval on Monday the 19th: Basement Pump-Outs, Children's Health, Nassau County HHW.

The Nassau County HHW press release was finalized and will be issued on November 19. A CIC has been assigned to go to the field in Nassau County on November 19 to distribute the Nassau County HHW flyer and basement pump-out flyer.

## 3. Participating Entities

### 3.1 Unified Command

Unified Command has been established in Staten Island with the United States Coast Guard Sector New York. Mission Assignments have been issued to USCG for assessment and mitigation along the shores of Staten Island. USCG is focused on conducting shoreline assessments and has requested EPA contractor support to assist in these investigations. EPA has a seat with the UC and is coordinating activities associated with very specific Mission Assignments. EPA is also coordinating efforts to have interior areas that may have also been impacted as a result of storm surge and high winds.

### 3.2 Cooperating Agencies

EPA is coordinating with a host of agencies on numerous efforts to assess, respond, recover, and mitigate environmental threats caused by Hurricane Sandy. Federal partners include FEMA, Army Corp. of Engineers, USCG, NOAA, and others. State agencies that EPA is coordinating efforts with include Departments of Health, Transportation, Sanitation, Parks, NYSDC, NJDEP, Emergency Management, and others. County and local officials are also integrated in decision making and tactical assessments of situations.

#### 4. Personnel On Site

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			29	33	62
New York	17	141			158
New Jersey	18	30			48
Total	33	171	29	33	268

#### Number of EPA Personnel Deployed to Region 2 - Hurricane Sandy

	OSCs	RMs	PIOs	Water Specialists	GIS Specialists	RPMs	CICs	Other (field capable)	Other (not field capable)	Total by Region
Region 1	5	0	0	0	0	0	1	1	0	7
Region 3	10	0	0	0	1	0	0	2	1	14
Region 4	1	0	0	0	0	0	0	0	0	1
Region 5	0	0	0	0	0	0	0	0	0	0
Region 6	0	0	0	0	0	0	0	2	0	2
Region 7	2	0	0	0	0	0	0	0	0	2
Region 8	0	0	0	0	0	0	0	0	0	0
Region 9	0	0	0	0	0	0	0	0	0	0
Region 10	0	0	0	0	0	0	0	1	1	2
HQ	0	0	0	0	0	0	0	0	0	0
Special Teams	0	0	0	0	1	0	0	3	1	5
Total by job title	18	0	0	0	2	0	1	9	3	33

#### 5. Definition of Terms

##### Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning

and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

## 6. Additional sources of information

Drinking Water – New Jersey – Current as of 11/18	Population Served
Total # Community Water Systems = 612	9,000,000
EPA Assessed (cumulative) = 53	963,435

Drinking Water – New York – Current as of 11/18	Population Served
Total # Community Water Systems = 191	12,000,000
EPA Assessed (cumulative) = 40	1,535,727

Wastewater Treatment Plants –New Jersey–Current as of 11/18	Population Served
Total # Wastewater Treatment Plants = 179	n/a
EPA Assessed (cumulative) = 23	n/a

Wastewater Treatment Plants –New York State–Current as of 11/18	Population Served
Total # Wastewater Treatment Plants = 83	n/a
EPA Assessed (cumulative) = 12	n/a

ADDITIONAL INFORMATION:

WEBSITE: <http://www.epaosc.org/HurricaneSandy>

INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: [www.epaosc.net](http://www.epaosc.net), click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

### FlexViewer :

WEBSITE: [http://www.epa.gov/geospatial/erm/Region2\\_HurricaneSandy/](http://www.epa.gov/geospatial/erm/Region2_HurricaneSandy/)

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constantly being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Commander (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Commander (DRIC) for NY, Anne Kelly	212-637-4397
Deputy Regional Incident Commander (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Commander (DRIC) for NJ, Laura Casillas	215-779-4898
FEMA IMAT (Albany), Michael Solecki, OSC	908-420-4501

NJ EOC (Trenton), Carl Pellegrino, OSC	908- 420-4491
FEMA RRCC(Colts Neck), Steve Touw, OSC	908-420-4458
NYC OEM (Brooklyn), Margaret Chong, OSC	908-420-4477
UC USCG (Staten Island), Ellen Banner	908-420-4462

### REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at [www.epaosc.org/HurricaneSandy](http://www.epaosc.org/HurricaneSandy).

## 7. Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at [www.epaosc.org/HurricaneSandy](http://www.epaosc.org/HurricaneSandy).

